

CLAIMS

We claim:

1. A method comprising:
a client receiving a content object over a network connection;
the client, prior to allowing the content object to be dynamically displayed,
examining the content object and changing a portion of the content object to reflect
information stored locally to the client; and
displaying the content object changed based on the local information at the
client.
2. The method defined in Claim 1 wherein the content object includes a
program that uses the information to indicate how the content object is to be generated
at the client.
3. The method defined in Claim 2 wherein changing the content object
comprises modifying the program to change a representation of the content object that
is to be dynamically generated.

4. The method defined in Claim 3 wherein changing the content object comprises modifying the program to change a representation of the content object based on whether an individual is subscribed to one or more other objects.

5. The method defined in Claim 3 wherein changing the content object comprises modifying the program to change a representation of the content object based on whether one or more other objects are stored in a cache of the client.

6. The method defined in Claim 1 wherein changing the content object comprises replacing at least one string in the content object based on the information stored locally to the client.

7. The method defined in Claim 6 wherein the at least one string comprises a portion of a program.

8. The method defined in Claim 1 further comprising determining whether an individual has subscribed to one or more additional objects that are to displayed when dynamically generating the display.

9. The method defined in Claim 1 further comprising determining whether the one or more objects are stored with the client in order to determine if the one or more objects are to be displayed.

10. The method defined in Claim 1 wherein changing the content object is performed by an agent running on the client.

11. The method defined in Claim 10 wherein the agent comprises middleware.

12. The method defined in Claim 1 wherein the information comprises a profile.

13. The method defined in Claim 1 wherein the information comprises an indication of whether one or more other objects to be displayed when the content object is displayed are stored with the client.

14. An apparatus comprising:
means for receiving a content object over a network connection;
means for, prior to allowing the content object to be dynamically displayed, examining the content object and changing a portion of the content object to reflect information stored locally to the client; and
means for displaying the content object changed based on the local information at the client.

15. The apparatus defined in Claim 14 wherein the content object includes a program that uses the information to indicate how the content object is to be generated at the client.

16. The apparatus defined in Claim 15 wherein the means for changing the content object comprises means for modifying the program to change a representation of the content object that is to be dynamically generated.

17. The apparatus defined in Claim 16 wherein the means for changing the content object comprises means for modifying the program to change a representation of the content object based on whether an individual is subscribed to one or more other objects.

18. The apparatus defined in Claim 16 wherein the means for changing the content object comprises means for modifying the program to change a representation of the content object based on whether one or more other objects are stored in a cache of the client.

19. The apparatus defined in Claim 14 wherein the means for changing the content object comprises means for replacing at least one string in the content object based on the information stored locally to the client.

20. The apparatus defined in Claim 19 wherein the at least one string comprises a portion of a program.

21. The apparatus defined in Claim 14 further comprising means for determining whether an individual has subscribed to one or more additional objects that are to be displayed if the individual had subscribed to the one or more objects.

22. The apparatus defined in Claim 14 further comprising means for determining whether the one or more objects are stored with the client in order to determine if the one or more objects are to be displayed.

23. The apparatus defined in Claim 14 wherein the means for changing the content object comprises an agent running on the client.

24. The apparatus defined in Claim 23 wherein the agent comprises middleware.

25. The apparatus defined in Claim 14 wherein the information comprises a profile.

